

Installation Guide and User Manual

decoflame® custom-made
Bioethanol Fireplaces
Montreal, Orlando and Denver
with
decoflame® e-ribbon Fire
featuring **CEVB Technology**

English



DecoFlame Aps
Stenholm 14
9400 Nørresundby
Denmark
tel. +45 96 30 48 00
info@decoflame.dk
www.decoflame.com

**It is imperative that you read this manual before using the fireplace
Keep the manual in a safe place for future reference**

English



Installation and User Guide for custom-made decoflame® Bioethanol Fireplaces Montreal, Orlando and Denver with decoflame® e-ribbon Fire featuring CEVB Technology

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Congratulations on your new decoflame® bioethanol fireplace

***IT IS IMPORTANT THAT YOU READ THE ENTIRE INSTALLATION AND OPERATING
INSTRUCTIONS AND ADHERE TO THE SAFETY MEASURES DESCRIBED HEREIN –
DECOFLAME CANNOT BE HELD RESPONSIBLE FOR ANY DAMAGED CAUSED AS A
RESULT OF NON-ADHERANCE TO THESE INSTRUCTIONS***

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GENERAL SAFETY

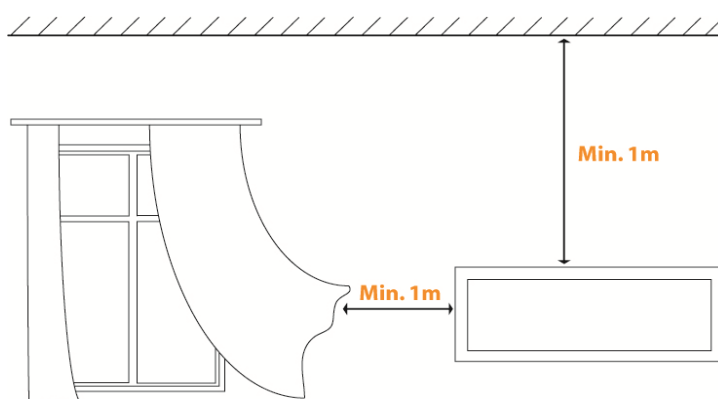
Naturally, safety is imperative dealing with open fire. All decoflame® fireplaces are designed, manufactured and quality-tested in Denmark with highest product safety and user-friendliness in mind. This fireplace features the state-of-the-art, decoflame® e-ribbon Fire with **CEVB** Technology (**C**ontrolled **E**thanol **V**apour **B**urning **T**echnology) - patent pending no. 12801-001 - which can be operated by remote control or on the operating panel. Please strictly adhere at all times to all safety measures described in this manual.

POSITIONING

Make sure that your fireplace is installed in a safe place indoors (if you want to use it outdoors, please make sure it has been explicitly specified as suitable for outdoors use), which means in a wall made of non-flammable material with a distance to e.g. curtains of at least one metre (40 in). Also, choose a position for your fireplace which is not exposed to any draught, as bioethanol is a volatile fluid. In fact, only the vapour of the bioethanol is burning when lit. You should not touch the flames of the lit fireplace or blow into the flames. You should also keep a distance of at least 30 cm (12 in) moving past the fireplace, as your movement may have an impact on the flames.

The electronics of your custom-made decoflame® fireplace require a connection to a power socket (220-240 V – 50Hz – 1kW), which ideally should be placed inside the wall cut-out.

NB – We do not recommend to position TV screens or valuable paintings above the fireplace as the upwards drifting warm air might damage those. Please do ask us for advice if you still wish to create a setting incorporating a TV above the fireplace.



Make sure that the wall cut-out and supports left and right below the base plate of your custom-made fireplace are perfectly in level, and all corners of the cut-out are in a perfect 90 degree angle. For all dimensions, please refer to the detailed technical drawing for your decoflame® fireplace.

If in doubt, please contact DecoFlame.

If your fireplace is installed in a room with a wooden ceiling, you must ensure that the distance between the top of the fireplace and the ceiling is at least 1 metre (40 in). It is important that the fireplace is installed perfectly in level. When choosing a suitable height as position for your fireplace please also consider keeping it out of reach of smaller children and pets.

When lit, the surfaces of the upper part of the fireplace as well as any glass screens will be warm, as the heat is led up- and outwards.

Do you have children or pets in the home? If so, make sure an adult keeps an eye on them at all times during operation of your fireplace and never leave your fireplace unattended when it is lit.

MAINTENANCE

Before starting to clean the fireplace, make sure it has cooled down and is switched off completely.

Any glass components of your custom-made decoflame® fireplace are made of tempered heat-resistant glass. Those glass parts as well as any metal parts which are exposed to the heat of the fire might slightly change colour or structure. This is to be considered normal wear and tear and does not constitute a product flaw or fault.

We recommend that you clean all parts of your fireplace frequently with a lint-free cloth or kitchen paper towel and a non-abrasive detergent, some bioethanol or another alcohol-based product. Regarding polished steel surfaces use only a soft and clean cloth as the surfaces will easily be scratched by e.g. paper towels.

INSTALLATION

Please refer and adhere to the detailed installation guide on your technical drawing which has been generated for your specific custom-made decoflame® fireplace. You will find all dimensions and a step-by-step installation instruction there. It is advisable to install your decoflame® fireplace only once all decoration work in the room has been finished.

Walls surrounding the built-in bioethanol fireplace must be constructed of or at least covered with non-flammable material like fibre plasterboards (e.g. Fermacell, GypRock FireLine) or bricks.

The supports to the left and right inside the cut-out on which the fireplace will rest must be made of sturdy non-flammable material like metal, concrete or brick. The supports must be perfectly in level.

If you have the slightest doubt of how to install the fireplace and which screws to use for your type of wall, you should contact a skilled craftsman who is able to carry out the installation correctly.

Please note that the electronically controlled decoflame® e-ribbon Fire needs a connection to the mains in order to work. Therefore, a power socket needs to be present inside the cut-out into which the fireplace will be fitted.

When installing your decoflame® built-in fireplace you will need:

Power drill/Screwdriver

Drill/bit (suitable for the type of material to which you wish to fix the top and bottom plates of your fireplace)

Spirit level

Tape measure

Screws (at least Ø 5mm, suitable for the type of wall)

Wall plugs or expansion bolts (suitable for the type of wall)

Creating the wall cut-out for made to measure decoflame® fireplaces with e-Ribbon Fire

The wall cut-out needs to contain a working, earthed power socket to which the electricity cable of the decoflame® e-Ribbon Fire must be connected.

Plasterboard walls – Stud-walls

Walls surrounding the built-in bioethanol fireplace must be constructed of or at least covered with non-flammable material like fibre plasterboards (e.g. Fermacell, GypRock FireLine) or bricks.

Stone/Brick walls

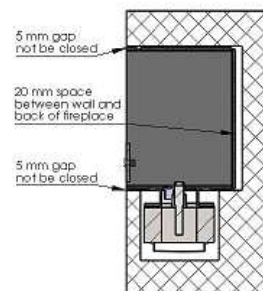
The cut-out is made according to the attached drawing. The wall itself is non-flammable which makes it safe to install the bioethanol fireplace directly within the cut-out.

Layout open to one side:

The wall cut-out is made at least 20mm deeper than the depth of the fireplace to ensure sufficient air flow and cooling of the fireplace.

It is essential to maintain a 5mm gap all the way around the fireplace (Cut-out = dimensions of fireplace + 10mm). ***This gap must not be sealed.***

As the edges of the cut-out remain visible it is important that they are done to the highest possible finish. All four corners of the cut out must have exactly a 90 degree angle.



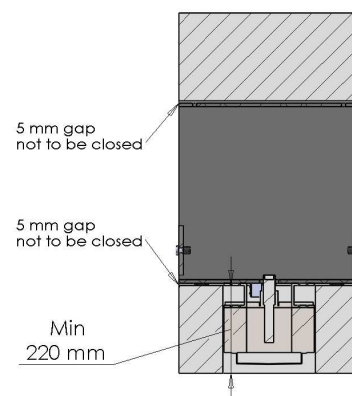
Layout open to two sides:

The wall depth is identical with the depth of the fireplace. Make sure that the edges of the fire are flush with the wall.

It is essential to maintain a 5mm gap all the way around the fireplace (dimensions of cut-out = dimensions of fireplace + 10mm).

This gap must not be sealed.

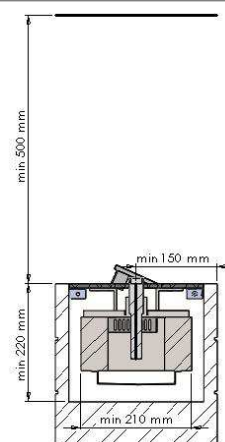
As the edges of the cut-out remain visible it is important that they are done to the highest possible finish. All four corners of the cut out must have an exact 90 degree angle.



Denver drop-down e-Ribbon Fire:

The distance between the flame tray and any non-flammable material above must not be less than 500mm. The distance between the centre of the flame tray and any non-flammable material to the back or front must not be less than 150mm.

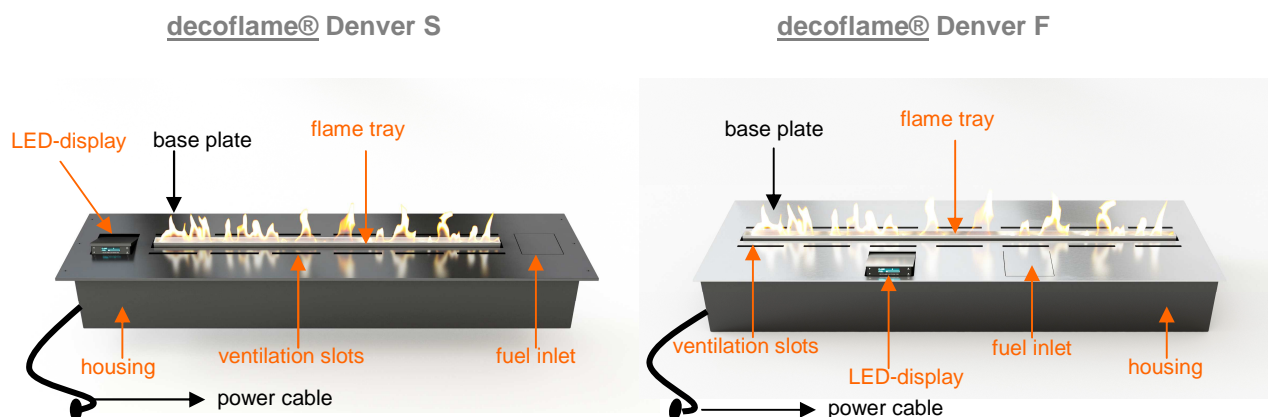
DO NOT position the Denver in a draughty location.



Step-by-step Installation Process

Please refer to the detailed technical drawing which has been prepared for your custom-made decoflame® fireplace with e-Ribbon Fire.

OPERATING INSTRUCTIONS



Your decoflame® fireplace with e-Ribbon Fire has a built-in child safety **ON/OFF** switch which is located underneath the pop-up lid of the LED-display. **ALWAYS** start operation of your decoflame® fireplace using its built-in automatic by switching it on (push down onto the pop-up lid to the left, flip it over and switch the ON/OFF button into the ON position) and then start the ignition process by pressing the START button either on the remote control or on the operating panel next. **DO NOT** use lighters or matches. **ONLY** adults may operate the electronics of the decoflame® e-ribbon Fire.

All decoflame® bioethanol fireplaces are designed and manufactured exclusively for use with bioethanol of highest purity (96%). **DO NOT** use any other fuel or materials or bioethanol of inferior quality as this will void your warranty. Bioethanol can be bought in specialist shops or on the internet – ask your decoflame® point of sale for advice.

Switching on

Start the electronics of your decoflame® e-ribbon Fire by pushing down onto the pop-up lid to the left, flipping it over and switching the **ON/OFF** button into the **ON** position. Flip the lid back so that the LED-display is fully visible. The first line of the LED-display will show the message **READY** or **FUEL LOW**, the second line indicates the fuel level.

LED-display and Use of Remote Control

The LED-display will always show the following –

- Line 1: Flame level or message (e.g. **READY**, **FLAME 3** or **FUEL LOW**)
- Line 2: Fuel level indicator bar

During operation of the fire, you could close the pop-up lid of the LED-display completely by pressing down onto it until you hear a soft “click” sound. You can still use the remote control in order to change the flame level settings or to shut down the fire, despite the display being invisible.

Filling of the Fuel Tank – First time fuelling

Switch on the electronics of the fireplace as described above. The display will show the message **READY** or **FUEL LOW**. Push down onto the pop-up lid to the right. Open the fuel tank inlet by pulling the closing mechanism towards you. Insert a funnel and fill in the bioethanol. Once the fuel tank is filled by three-quarters, you will hear an acoustic signal. This tone will increase in line with the rising fuel level. Once the tank is completely filled, a constant tone will sound. Stop the filling process. Avoid spillage during filling. If you spilled any bioethanol, use a paper kitchen towel in order to wipe off thoroughly any spilled liquid around the fuel inlet. Remove the funnel. Close the pop-up lid for the tank inlet.

NB: Do not fill the bioethanol tank whilst the electronics of the fireplace are switched off.

NB: The ignition process will not start if any humidity is detected around the fuel inlet or if the pop-up lid for the tank inlet is left open.

Filling of the Fuel Tank

– Re-fuelling during operation when FUEL LOW messages appears in the display

DO NOT switch the electronics of the fireplace off. Push down onto the pop-up lid to the right. The display will show the message FUEL LID OPEN and the fire will go into auto-shut-down mode. You will see the flames disappear slowly. **DO NOT** start the re-fuelling process until you are certain that the fire is completely extinguished. Then, open the fuel tank inlet by pulling the closing mechanism towards you. Insert a funnel and fill in the bioethanol. Once the fuel tank is filled by three-quarters, you will hear an acoustic signal. This tone will increase in line with the rising fuel level. Once the tank is completely filled, a constant tone will sound. Stop the filling process. Avoid spillage during filling. If you spilled any bioethanol, use a paper kitchen towel in order to wipe off thoroughly any spilled liquid around the fuel inlet. Remove the funnel. Close the pop-up lid for the tank inlet. Flip over the pop-up lid with the LED-display to the left and reset the electronics by switching the **ON/OFF** switch first into the **OFF** and then into the **ON** position.

NB: The ignition process will not start if any humidity is detected around the fuel inlet or if the pop-up lid for the tank inlet is left open.

Ignition

Press the **START** button on the remote control or on the display (bottom right). The display will show the message **WARMING UP** and the filament in the flame tray will start glowing.

After a short while, the first flames will show around the centre of the flame tray. Subsequently, It will take a short time, until the whole width of the flame tray is filled with flames (depending on the dimensions of the flame tray, it might take slightly longer). Once the flame tray shows flames throughout its complete width, the fire will be burning at a pre-set level of 3 as long as the message **WARMING UP** is shown in the display – this pre-set level cannot be changed. As soon as the warming-up phase is finished, the message **FLAME 3** is shown in the display and the filament stops glowing.

Flame Regulation

Following the warming-up phase - as soon as **FLAME 3** is shown in the display - the flame intensity can be adjusted up- or downwards by pressing the number buttons on the remote control (1 is the lowest and 6 the highest flame level) or the +/- buttons on the operating panel next to the LED-display.

Extinguishing the Flames

To switch off the fire at any time – also during the warming-up phase – press the **STOP** button on the remote control or on the display (upper right). The flames will disappear within a few minutes. You can leave the electronics on stand-by without pressing any further buttons now. You can also re-start the fire as described above *immediately*. Or you could switch off the electronics completely.

Switching Off

In order to switch off the electronics of the fire completely, flip over the pop-up lid of the LED-display and switch the child safety **ON/OFF** button into the **OFF** position.

Unintended Switching Off or Power-cut

Should you unintentionally switch off the electronics at the **ON/OFF** button or should you experience a power-cut while the fire is still fully in operation the display will switch off, the remote control will no longer work and the flames will disappear in a matter of minutes. You can start the fire again as described above (and once electricity supplies are back to normal) whereby the warming-up phase will be shortened if the flame tray is still warm from its earlier operation.

LED-display - Messages Troubleshooting Advice

NB – Once you have taken the action necessary to resolve any of the below *error* messages (does not apply to messages 1 and 2 below), the e-Ribbon Fire has to be RESET by switching the ON/OFF button first into OFF and then into ON position before you can commence with the start-up process.

Display Message	System Reaction	Explanation	Action to be taken
Fuel low	The fire does not start or the fire turns to auto-switch-off mode	The fuel tank is almost or completely empty.	Do not switch off the electronics and fill the fuel tank as described above.
Fuel lid open	The fire does not start or the fire turns to auto-switch-off mode	The pop-up lid of the fuel inlet has been opened or has been left open.	Push down onto the lid in order to close it until you hear a <i>click</i> sound.
Error 1	The fire does not start or the fire turns to auto-switch-off mode	Liquid has been detected inside the safety-chamber situated in the bottom of the housing of the e-Ribbon Fire.	Call your point of sale or Decoflame on +45 96 30 48 00 (only English-speaking staff available) and have the serial number to hand (can be found on the reverse side of the lid of the fuel inlet).
Error 2	The fire does not start or the fire turns to auto-switch-off mode	Liquid has been detected inside the over-spill safety-chamber surrounding the fuel inlet.	Dry off any spilled bioethanol thoroughly with paper towels. Leave the pop-up lid open for at least one hour in order to allow any remaining humidity to evaporate completely. Then close the pop-up lid of the fuel inlet.
Error 3	The fire does not start or the fire turns to auto-switch-off mode	The built-in tilt-sensor has been activated because the fire is not situated perfectly in level or has been tilted to a higher than the allowed, pre-set degree (e.g. due to seismic activity).	Correct the positioning of the fire in such a way that it is perfectly in level within its intended setting. Use a spirit level. Fix the fire securely.
Error 4	The fire does not start or the fire turns to auto-switch-off mode	The built-in temperature sensor has detected a temperature which is too high inside the housing of the e-Ribbon Fire.	Make sure that the ventilation slots around the flame tray are not obstructed (do not place ceramic logs or pebbles there). Also, check that the fireplace has been installed with the necessary 5mm gap all the way around and below the base plate (models Montreal and Orlando). If you find that all is at it should be, call your point of sale or Decoflame on +45 96 30 48 00 (only English-speaking staff available) and have the serial number to hand (can be found on the reverse side of the lid of the fuel inlet).
Error 5	The fire does not start or the fire turns to auto-switch-off mode	The built-in temperature sensor has detected a temperature which is too high on the flame tray.	Make sure that the ventilation slots around the flame tray are not obstructed (do not place ceramic logs or pebbles there). Also, check that the fireplace has been installed with the necessary 5mm gap all the way around and below the base plate(models Montreal and Orlando). If you find that all is at it should be, then wait until the flame tray has cooled down completely. Then, RESET the electronics. Should the same message Error 5 still show, call your point of sale or Decoflame on +45 96 30 48 00 (only English-speaking staff available) and have the serial number to hand (can be found on the reverse side of the lid of the fuel inlet).
Error 6	The fire turns to auto-switch-off mode	The built-in temperature sensor has detected a temperature which is too low on the flame tray, although the fire has been operating for 15-20 minutes already.	Call your point of sale or Decoflame on +45 96 30 48 00 (only English-speaking staff available) and have the serial number to hand (can be found on the reverse side of the lid of the fuel inlet).
Error 7	The fire does not start or the fire turns to auto-switch-off mode	The CO ₂ sensor has detected an undesired concentration of CO ₂ in the room air.	You should improve the quality of the room air by opening a window or keeping doors to adjacent rooms open. Then RESET the electronics and restart your fire.
Error 8	The fire does not start or the fire turns to auto-switch-off mode	There is an electronic fault.	Call your point of sale or Decoflame on +45 96 30 48 00 (only English-speaking staff available) and have the serial number to hand (can be found on the reverse side of the lid of the fuel inlet).

Safety Advice

Please always adhere to the safety advice given in this manual. Bioethanol fires are **REAL FIRES** and therefore, please use greatest care and common sense when operating them.

- DO NOT** smoke when filling the burner with bioethanol as it is – of course – extremely flammable.
- DO** avoid contact of bioethanol with eyes and skin.
- DO** keep bioethanol safely and out of reach of children.
- DO NOT** use any other fuel than bioethanol of at least 96% purity.
- DO NOT** mix bioethanol with other fuels.
- DO NOT** cover/obstruct any of the ventilation slots of the fireplace.
- DO NOT** place any inflammable materials or clothes near the fireplace.
- DO NOT** place any pebbles or stones on the e-Ribbon Fire as these will crack and might cause injury or damage to the fireplace.
- DO NOT** place any ceramic logs or ceramic pebbles on the e-Ribbon Fire as they will obstruct the ventilation slots in the base plate and change the combustion temperature.
- DO NOT** install the fireplace outside unless it has explicitly designed for an outdoors application.
- DO** attempt to keep the quality of your room air at an adequate level by opening a window or door ever once in awhile during operation of your fire. This can be achieved by opening a window for around 5 - 10 minutes or by leaving doors to adjacent rooms open. Should the premises in which the fire is situated be equipped with an MVHR System (Mechanical Ventilation with Heat Recovery), the room air quality will automatically be kept at a high level and no further action should be necessary.
- DO** avoid contact with any glass and metal parts of your fireplace as these can become hot during operation
- DO NOT** attempt to open the housing of the fireplace.
- DO NOT** modify anything on your custom-made decoflame® bioethanol fireplace.
- DO** always adhere to all safety advice given in this manual.

Disposal and Recycling

The made to measure decoflame® bioethanol fireplace is made of aluminium, stainless steel (optional: glass), copper, plastics and electronic components. If you wish to dispose of the appliance, please adhere to the regional rules and regulations.

You will find, that most parts of your decoflame® fireplace can be recycled.

Rating Plate

Below you will see the rating plate for your custom-made decoflame® bioethanol fireplace with e-Ribbon Fire. The same rating plate can be found on the reverse side of the lid of the fuel inlet.





decoflame®

Odor- and smokeless bio fireplaces

For more information please visit www.decoflame.com

or contact DecoFlame at info@decoflame.dk